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NOTICE OF ALLOWANCE AND FEE(S) DUE

26645

7590

09/24/2008

THE LUBRIZOL CORPORATION ATTN: DOCKET CLERK, PATENT DEPT. 29400 LAKELAND BLVD. WICKLIFFE, OH 44092 EXAMINER
SEIFU, LESSANEWORK T
ART UNIT PAPER NUMBER

1797

DATE MAILED: 09/24/2008

APPLICATION NO.	FILING DATE	G DATE FIRST NAMED INVENTOR		CONFIRMATION NO.	
10/517,046	12/03/2004	Melody A. Wilk	3167R-01	1193	

TITLE OF INVENTION: METHOD OF LUBRICATING AN INTERNAL COMBUSTION ENGINE AND IMPROVING THE EFFICIENCY OF THE EMISSIONS CONTROL SYSTEM OF THE ENGINE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	12/24/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

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ATTN: DOCKE 29400 LAKELA				I here State addre trans	eby certify that this Postal Service we seed to the Mail mitted to the USPT	s Fee(s ith suf Stop TO (57	s) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the d	deposited to class mail above, or late indicated	with the United in an envelope being facsimile d below.
WICKLIFFE, O	Н 44092								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	TOR		ATTO:	RNEY DOCKET NO.	CONFIRM	MATION NO.
10/517,046	12/03/2004		Melody A. Wilk				3167R-01	1	.193
	I: METHOD OF LUBR SYSTEM OF THE EN	ICATING AN INTERN GINE	IAL COMBUSTION I	ENG	INE AND IMPRO	OVING	THE EFFICIENCY	OF THE	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DA	ATE DUE
nonprovisional	NO	\$1440	\$300		\$0		\$1740	12	/24/2008
EXAM	INER	ART UNIT	CLASS-SUBCLASS	ss					
SEIFU, LESSA	ANEWORK T	1797	508-371000						
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of u or agents OR, altern (2) the name of a s registered attorney	of a single firm (having as a member a orney or agent) and the names of up to atent attorneys or agents. If no name is					
PLEASE NOTE: Unl recordation as set forth (A) NAME OF ASSIG	ess an assignee is identi h in 37 CFR 3.11. Comp GNEE	TO BE PRINTED ON The field below, no assignee eletion of this form is NO categories (will not be presented to the presented t	data will appear on th T a substitute for filing (B) RESIDENCE: (C	ne pa g an a	tent. If an assigne ssignment. and STATE OR C	OUNT	TRY)		
a. The following fee(s) a Issue Fee	are submitted:	4t	 Payment of Fee(s): (1 A check is enclosed 		se first reapply an	y prev	iously paid issue fee	shown abov	7 e)
☐ Publication Fee (No small entity discount permitted)			Payment by credit card. Form PTO-2038 is attached.						
Advance Order - #	of Copies		The Director is here overpayment, to D	reby Depos	authorized to charg it Account Numbe	ge the 1 r	required fee(s), any de (enclose a	ficiency, or n extra copy	credit any of this form).
	tus (from status indicated s SMALL ENTITY statu		☐ b. Applicant is no	long	er claiming SMAL	L ENT	ΓΙΤΥ status. See 37 CI	FR 1.27(g)(2	2).
OTE: The Issue Fee and terest as shown by the r	d Publication Fee (if requeecords of the United Sta	iired) will not be accepted tes Patent and Trademark	d from anyone other the Office.	an th	e applicant; a regis	stered a	attorney or agent; or th	e assignee o	or other party in
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/517,046	12/03/2004	Melody A. Wilk	3167R-01	1193	
26645 75	90 09/24/2008		EXAM	INER	
THE LUBRIZOL	CORPORATION	SEIFU, LESSANEWORK T			
	CLERK, PATENT DE	ART UNIT	PAPER NUMBER		
29400 LAKELANI WICKLIFFE, OH		1797 DATE MAILED: 09/24/200	0		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 675 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 675 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

Т	Amelianti Ni -	A D (1-)	
	Application No.	Applicant(s)	
Notice of Allowability	10/517,046	WILK ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Lessanework T. Seifu	1797	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in to or other appropriate commune GHTS. This application is su	his application. If not included ication will be mailed in due cour	rse. THIS
1. X This communication is responsive to the RCE filed on 08/2	<u>1/2008</u> .		
2. ☑ The allowed claim(s) is/are <u>1-17 and 19-24</u> .			
 3. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	been received.		
3. ☐ Copies of the certified copies of the priority documents have	• •		from the
International Bureau (PCT Rule 17.2(a)).	cuments have been received	ir tilis liational stage application	nom the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subminification.	ENT of this application. itted. Note the attached EXAM	MINER'S AMENDMENT or NOTIO	
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted		
(a) ☐ including changes required by the Notice of Draftspers		(PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date .		(,	
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.			k) of
each sheet. Replacement sheet(s) should be labeled as such in the			,
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I 			the
Attachment(s)	- -		
1. Notice of References Cited (PTO-892)		rmal Patent Application	
 Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO/SB/08), 		nmary (PTO-413), ail Date mendment/Comment	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit		tatement of Reasons for Allowan	ice.
of Biological Material	9. ☐ Other	tatement of Reasons for Allowan	loe

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David Shold on September 17, 2008.

The application has been amended as follows:

Claim 18 is cancelled.

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on August 21, 2008 has been entered.

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Response to Amendment

2. The declaration under 37 CFR 1.132 filed on August 21, 2008 is sufficient to overcome the rejection of claims 1-17 and 19-24 based upon the reference Bardasz et al. (US 2002/0151442) under 35 U.S.C. § 103(a).

3. Applicant's amendment to the claims filed on August 21, 2008 has overcome the rejection of claims 1-16 and 24 under 35 U.S.C. § 112, second paragraph, made in the Office Action dated May 21, 2008.

Allowable Subject Matter

2. Claims 1-17 and 19-24 are allowed.

The following is an examiner's statement of reasons for allowance: The above claims are allowed because the prior art of record fails to disclose or render obvious the method as recited in independent claims 1, 17 and 24. The reason is primarily because of the feature of the phosphorus-containing compounds as recited in independent claims 1, 17 and 24, in which the average total number of carbon atoms per phosphorus-containing moiety is at least 10.4, and wherein at least one of the R¹ and R² groups in one or more of the phosphorus-containing compounds contains 4 or fewer carbon atoms and up to about 40 percent of all the R¹ and R² groups supplied by the phosphorus-containing metal salt contain 4 or fewer carbon atoms.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably Application/Control Number: 10/517,046 Page 4

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lessanework T. Seifu whose telephone number is (571)270-3153. The examiner can normally be reached on Mon-Thr 7:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Walter Griffin can be reached on 571-272-1447. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/L. T. S./ Examiner, Art Unit 1797

/Walter D. Griffin/ Supervisory Patent Examiner, Art Unit 1797